

DRS CD400 Automatic Optical Mark Reader

The CD400 is a high speed single sided automatic Optical Mark Reader with one input hopper and two output stackers. The reader is reliable, robust, simple to use and compatible with a wide variety of software packages. The CD400 can successfully discriminate between intended marks and erasures.



Dimensions

| | |
|---------------------|---|
| Physical | 650mm length 380mm width 400mm height |
| Weight | 27Kg |
| Minimum form size | 150mm x 85mm |
| Maximum form size | 325mm x 227mm |
| Minimum form weight | 60gsm |
| Maximum form weight | 150gsm |

Environmental

| | |
|-----------------------------------|----------|
| Minimum temperature | 10 Deg C |
| Maximum temperature | 35 Deg C |
| Minimum humidity | 40% |
| Maximum humidity (non-condensing) | 80% |

Power

| | |
|---------------------|----------------------------|
| Average consumption | <100 Watts |
| Supply | Universal 100-240V 50-60Hz |

Microprocessor

| | |
|--------------------|--------|
| 486 microprocessor | |
| RAM | 1.25MB |

Readhead

Reflective visible light readhead
Self-calibrating
16 levels of erasure discrimination

Interface (auto sensing)

| | |
|-------------------|-----------------|
| Communication | RS232/V24 |
| Minimum baud rate | 1200 baud |
| Maximum baud rate | 57600 baud |
| Parity | odd, even, none |
| Data bits | 7 or 8 |
| Stop bits | 1 |

User controls

16 character system display
16 character programmable display
Start/Stop/Reset button
Sheet thickness adjuster

Features

Automatic feed
-Input hopper holds up to 600 forms
2 Output stackers
-Accept holds up to 600 forms
-Reject hold up to 100 forms
Sheet separator
Self-calibrating electronic double sheet detection

Speed

| | |
|---------------|--------------------|
| Transport | 1000 mm/sec |
| Reading up to | 7500 A4 forms/hour |

Document format (European standard)

| | |
|---------------------|-------|
| Track spacing | 1/5" |
| Minimum row spacing | 1/10" |
| Data tracks | 42 |
| Maximum rows/sheet | 127 |

Firmware

SOS and Diagnostics

Command protocol

Executes the SOS OMR instruction set

Options

- Infra-red readhead
- Barcodes:
 - maximim 100 barcodes/sheet
 - all tracks selectable by command
 - mixture of Code 39, Interleaved 2 of 5, Codabar
- 47 track 1/6" (USA Standard)
- 40 track 1/5" (IBM 3881 Standard)
- Transport printer



DRS OMR equipment complies with the EC Electromagnetic Compatibility Directive of 1996

Please note DRS products and services are subject to change without notice and that the information provided is for guidance only.